PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :
A61K 31/706, A61P 37/06

A1

(11) International Publication Number: WO 00/37089

(43) International Publication Date: 29 June 2000 (29.06.00)

(21) International Application Number: PCT/GB99/04295

(22) International Filing Date: 17 December 1999 (17.12.99)

(30) Priority Data:
9828071.2 18 December 1998 (18.12.98) GB

(71) Applicant *(for all designated States except US)*: UNIVERSITY OF BATH [GB/GB]; Claverton Down, Bath BA2 7AY (GB).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: POTTER, Barry, V., L. [GB/GB]; 95 Dovers Park, Bathford, Bath BA1 7UE (GB). GUSE, Andreas, H. [DE/DE]; Appener Weg 7a, D–20251 Hamburg (DE). SCHULZE–KOOPS, Hendrik [DE/DE]; Schobertweg 3, D–91056 Erlangen (DE). BERG, Ingeborg [DE/DE]; Nachtigallenweg 11, D–22926 Ahrensburg (DE). MAYR, Georg, W. [DE/DE]; Gaertnerstrasse 4c, D–25421 Pinneberg (DE).

(74) Agents: HARDING, Charles et al.; D. Young & Co., 21 New Fetter Lane, London EC4A 1DA (GB).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: CYCLIC ADENOSINE DIPHOSPHATE RIBOSE ANALOGUES FOR MODULATING T CELL ACTIVITY

(57) Abstract

Compounds capable of antagonising a sustained cADPR–mediated rise in intracellular Ca^{2+} levels in a T cell, said rise being in response to stimulation of the T cell receptor/CD3 complex of the T cell, methods for identifying the same and their use in modulating T cell activity are described. The preferred compounds are cyclic adenosine diphosphate ribose analogues.